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| APPLICATION NUMBER | FILING OR 371 (c) DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|------------------------|-----------------------|------------------------|
| 10/798,898         | 03/12/2004             | Benjamin B. Houston   | 85232-202 RWD          |

23529  
ADE & COMPANY  
1700-360 MAIN STREET  
WINNIPEG, MB R3C3Z3  
CANADA

CONFIRMATION NO. 6089

**FORMALITIES LETTER**



\*OC000000012819044\*

Date Mailed: 06/01/2004

**NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION**

07/23/2004 SDIRETR1 00000003 10798898

FILED UNDER 37 CFR 1.53(b)

01 FC:2001 365.00 OP  
02 FC:2001 65.00 OP

*Filing Date Granted*

**Items Required To Avoid Abandonment:**

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Replacement drawings in compliance with 37 CFR 1.84 and 37 CFR 1.121 are required. The drawings submitted are not acceptable because:
  - The drawings submitted to the Office are not electronically reproducible. Drawing sheets must be submitted on paper, which is flexible, strong, white, smooth, non-shiny, and durable (see 37 CFR 1.84(e)). See Figure(s) 1.

**SUMMARY OF FEES DUE:**

Total additional fee(s) required for this application is **\$900** for a Large Entity

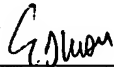
- **\$770** Statutory basic filing fee.

- \$130 Late oath or declaration Surcharge.

Replies should be mailed to: Mail Stop Missing Parts  
Commissioner for Patents  
P.O. Box 1450  
Alexandria VA 22313-1450

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*A copy of this notice **MUST** be returned with the reply.*



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Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

**Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533)(Small Entity)**

Docket No.  
85232-202 RWD

In Re Application Of: **Benjamin B. Houston et al**



| Application No. | Filing Date    | Examiner | Customer No. | Group Art Unit | Confirmation No. |
|-----------------|----------------|----------|--------------|----------------|------------------|
| 10/798,898      | March 12, 2004 |          | 23529        | 2223           | 6089             |

Invention:

**METHOD FOR MODELING COMPLEX OCCLUSIONS IN FLUID SIMULATIONS**

Mail Stop Missing Parts

COMMISSIONER FOR PATENTS:

This is a response to the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533) mailed on

June 1, 2004

*Date*

Enclosed herewith for filing are the following:

- ☒ A copy of the Notice to File Missing Parts of Application - Filing Date Granted (PTO-1533). **(REQUIRED)**
- ☐ An oath or declaration in compliance with 37 CFR 1.63, including residence information and identifying the application by the above Application Number and Filing Date.
- ☒ A properly signed oath or declaration in compliance with 37 CFR 1.63.
- ☐ An oath or declaration in compliance with 37 CFR 1.63 listing the names of all inventors and signed by the omitted inventor(s), identifying this application by the above Application Number and Filing Date.
- ☐ A verified English translation of the non-English language application papers as originally filed. It is requested that this translation be used as the copy for examination purposes in the United States Patent and Trademark Office.
- ☒ 1 verified small entity declaration(s)
  - ☒ is/are attached.
  - ☐ was/were filed on \_\_\_\_\_
- ☐ A separate request for refund.
- ☒ Other (list):

Letter filing drawings (4 sheets)  
Assignment Cover Sheet  
Assignment  
Fee - \$40 M.O.

Docket No.  
**85232-202 RWD**

|                 |                |          |              |                |                  |
|-----------------|----------------|----------|--------------|----------------|------------------|
| Application No. | Filing Date    | Examiner | Customer No. | Group Art Unit | Confirmation No. |
| 10/798,898      | March 12, 2004 |          | 23529        | 2223           | 6089             |

## METHOD FOR MODELING COMPLEX OCCLUSIONS IN FLUID SIMULATIONS

## Mail Stop Missing Parts

- |   |                             |
|---|-----------------------------|
| <input checked="" type="checkbox"/> Utility application filing fee  | <u>\$385.00</u>             |
| <input type="checkbox"/> Design application filing fee  | <u>                    </u> |
| <input checked="" type="checkbox"/> Total number of independent claims = <u>2</u>   | <u>                    </u> |
| <input checked="" type="checkbox"/> Total number of claims = <u>8</u>   | <u>                    </u> |
| <input type="checkbox"/> Multiple dependent claims  | <u>                    </u> |
| <input checked="" type="checkbox"/> Surcharge for late payment of filing fee and/or late filing of original declaration or oath | <u>\$65.00</u>              |
| <input type="checkbox"/> Petition and fee for filing by other than all the inventors or a person not the inventor               | <u>                    </u> |
| <input type="checkbox"/> Fee for processing an application filed with a non-English language specification                      | <u>                    </u> |
| <input type="checkbox"/> Fee for processing and retention of application  | <u>                    </u> |

**Total completion of application fees** **\$450.00**

☐ One month      ☐ Two months      ☐ Three months      ☐ Four months      ☐ Five months

from: \_\_\_\_\_ *Date*                      until: \_\_\_\_\_ *Date*

Total time extension fees

**Total fees due \$450.00**

**Response To Notice To File Missing Parts Of Application  
Filing Date Granted (PTO-1533) (Small Entity)**

Docket No.  
**85232-202 RWD**

In Re Application Of: **Benjamin B. Houston et al**

| Application No. | Filing Date    | Examiner | Customer No. | Group Art Unit | Confirmation No. |
|-----------------|----------------|----------|--------------|----------------|------------------|
| 10/798,898      | March 12, 2004 |          | 23529        | 2223           | 6089             |

Invention:

**METHOD FOR MODELING COMPLEX OCCLUSIONS IN FLUID SIMULATIONS**

TO THE COMMISSIONER FOR PATENTS:

Mail Stop Missing Parts

The fee of **\$450.00** is to be paid as follows:

- ☒ A <sup>m.o.</sup>check in the amount of the fee is enclosed.
- ☐ The Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No.
- ☐ If an additional extension of time is required, please consider this a petition therefor and charge any additional fees which may be required to Deposit Account No.

  
Signature

**Ryan W. Dupuis**  
**Registration No: 47,345**

/II

Dated: **July 26, 2004**

I certify that this document and fee is being deposited on \_\_\_\_\_ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Signature of Person Mailing Correspondence*

*Typed or Printed Name of Person Mailing Correspondence*

CC:



EXAMINER

GROUP 2223

APPLICANT Benjamin B. Houston et al

SERIAL NO: 10/798,898

FILED March 12, 2004

FOR METHOD FOR MODELING COMPLEX OCCLUSIONS IN FLUID  
SIMULATIONS


U.S. Patent and Trademark Office  
2011 South Clark Place  
Customer Window, Mail Stop Missing Parts  
Crystal Plaza Two, Lobby, Room 1B03  
Arlington, Virginia 22202  
U.S.A.

Dear Sir:

Responsive to the Notice to File Missing Parts dated June 1, 2004, please  
find enclosed herewith new drawings (4 sheets) as requested. Would you please make  
these of record in this application.

Respectfully submitted

BENJAMIN B. HOUSTON ET AL

  
PER: \_\_\_\_\_

Ryan W. Dupuis

Registration No: 47,345

RWD/II  
July 26, 2004  
Enc.(4)  
Ryan W. Dupuis

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